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5 shared with nothing and recover\$4 same fail\$4 and (multiple plural\$4) adj failures and (together "at the same time") 12 0 shared adj nothing and recover\$4 same fail\$4 and (multiple plural\$4) adj failures and (overlap concurrent\$4) multiple with overlap\$4 with failure 13 44 0 multiple with overlap\$4 with failure and shar\$4 adj nothing 15 0 multiple with overlap\$4 with failure and shar\$4 adj nothing 16 7 shared with nothing and recover\$4 same USPAT; 2004/06/07 EPO; JPO 11:53 USPAT; 2004/06/07 EPO; JPO 11:53 USPAT; 2004/06/07 EPO; JPO 11:53 USPAT; 2004/06/07 EPO; JPO 11:54	
fail\$4 and (multiple plural\$4) adj failures and (together "at the same time") 12 0 shared adj nothing and recover\$4 same fail\$4 and (multiple plural\$4) adj failures and (overlap concurrent\$4) failures and (overlap concurrent\$4) multiple with overlap\$4 with failure 0 multiple with overlap\$4 with failure and shar\$4 adj nothing failure and shar\$4 with overlap\$4 with failure and shar\$4 adj nothing failure and shar\$4 with overlap\$4 with failure and shar\$4 with nothing failures and (multiple plural\$4) failure and shar\$4 with overlap\$4 with failure and shar\$4 with nothing failures and (multiple plural\$4) failure and shar\$4 with overlap\$4 with failure and shar\$4 with nothing failures and (multiple plural\$4) failures and shar\$4 with failure and shar\$4 with nothing and recover\$4 same failures and (multiple plural\$4) failures and (multiple plural\$4) failures and shar\$4 with failure and shar\$4 with nothing and recover\$4 same failures and (multiple plural\$4) failures and shar\$4 with failure and shar\$4 with nothing shar\$4 with nothing and recover\$4 same failures and (multiple plural\$4) failures and shar\$4 with failure and shar\$4 with nothing shar\$4 with noth	
failures and (together "at the same time") 12 0 shared adj nothing and recover\$4 same fail\$4 and (multiple plural\$4) adj failures and (overlap concurrent\$4) 13 44 multiple with overlap\$4 with failure 0 multiple with overlap\$4 with failure and shar\$4 adj nothing 15 0 multiple with overlap\$4 with failure and shar\$4 adj nothing 15 0 multiple with overlap\$4 with failure and shar\$4 with nothing 16 7 shared with nothing and recover\$4 same USPAT; 2004/06/07 EPO; JPO 11:53 USPAT; 2004/06/07	
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12 0 shared adj nothing and recover\$4 same fail\$4 and (multiple plural\$4) adj failures and (overlap concurrent\$4) 13 44 multiple with overlap\$4 with failure 14 0 multiple with overlap\$4 with failure and shar\$4 adj nothing 15 0 multiple with overlap\$4 with failure and shar\$4 with nothing 16 7 shared with nothing and recover\$4 same USPAT; 2004/06/07 EPO; JPO 11:53 USPAT; 2004/06/07 EPO; JPO 11:53 USPAT; 2004/06/07	
fail\$4 and (multiple plural\$4) adj failures and (overlap concurrent\$4) 44 multiple with overlap\$4 with failure USPAT; 2004/06/07 EPO; JPO 11:53 USPAT; 2004/06/07 Shar\$4 with nothing EPO; JPO 11:54 Shar\$4 with nothing and recover\$4 same USPAT; 2004/06/07	
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13	
14 0 multiple with overlap\$4 with failure and shar\$4 adj nothing 15 0 multiple with overlap\$4 with failure and shar\$4 with nothing 16 7 shared with nothing and recover\$4 same 190; JPO 11:53 USPAT; 2004/06/07 11:54 USPAT; 2004/06/07	
0 multiple with overlap\$4 with failure and shar\$4 adj nothing 15 0 multiple with overlap\$4 with failure and shar\$4 with overlap\$4 with failure and shar\$4 with nothing 16 7 shared with nothing and recover\$4 same 17 uspar; 2004/06/07	
shar\$4 adj nothing multiple with overlap\$4 with failure and shar\$4 with nothing shar\$4 with nothing shar\$4 with nothing shar\$4 with nothing and recover\$4 same USPAT; 2004/06/07	
0 multiple with overlap\$4 with failure and USPAT; 2004/06/07 shar\$4 with nothing EPO; JPO 11:54 7 shared with nothing and recover\$4 same USPAT; 2004/06/07	
shar\$4 with nothing EPO; JPO 11:54 7 shared with nothing and recover\$4 same USPAT; 2004/06/07	
7 shared with nothing and recover\$4 same USPAT; 2004/06/07	
fail\$4 and (multiple many group plural\$4) EPO; JPO 11:55	
adj failures	
7 shared with nothing and recover\$4 and USPAT; 2004/06/07	
detect\$4 and (multiple many group EPO; JPO 11:55	
plural\$4) adj failures	
18 29 shared with nothing and recover\$4 and USPAT; 2004/06/07	
detect\$4 and failures EPO; JPO 11:55	
19 25 shared with nothing and recover\$4 and USPAT; 2004/06/07	
detect\$4 and failures not (ibm "business EPO; JPO 11:55	
machines").as.	
20 13 shared with nothing and recover\$4 and USPAT; 2004/06/07	
detect\$4 and failures not (ibm "business EPO; JPO 11:56	
machines").as. and simultaneous\$4	
12 shared with nothing and recover\$4 and USPAT; 2004/06/07 detect\$4 and failures not (ibm "business EPO; JPO 11:56	
machines").as. and overlap\$5	
machines").as. and overlaps5 22 0 shared with nothing and recover\$4 and USPAT; 2004/06/07	
detect\$4 and failures not (ibm "business EPO; JPO 11:56	
machines").as. and (overlap\$5	
simultaneous\$4) with (detect\$4 recover\$4)	

				1
23	4	shared with nothing and recover\$4 and	USPAT; EPO; JPO	2004/06/07 12:31
		detect\$4 and failures not (ibm "business machines").as. and (overlap\$5	EPO, UPO	12.31
		simultaneous\$4) with failure		
24	0	shared with nothing and recover\$4 and	USPAT;	2004/06/07
	:	detect\$4 and failures not (ibm "business	EPO; JPO	12:12
		machines").as. and (overlap\$5 simultaneous\$4) with detect\$4		
25	0	shared with nothing and recover\$4 and	USPAT;	2004/06/07
25		detect\$4 and failures not (ibm "business	EPO; JPO	12:13
		machines").as. and (overlap\$5	,	
		simultaneous\$4) with recover\$4		
26	11	shared with nothing and recover\$4 and	USPAT;	2004/06/07
		detect\$4 and failures not (ibm "business machines").as. and (overlap\$5 group	EPO; JPO	12:20
		multiple plural\$4 simultaneous\$4) with		
		recover\$4		
27	14	shared with nothing and recover\$4 and	USPAT;	2004/06/07
		detect\$4 and failures not (ibm "business	EPO; JPO	12:16
		machines").as. and (overlap\$5 group		
		multiple plural\$4 simultaneous\$4) with detect\$4		
28	18	shared with nothing and recover\$4 and	USPAT;	2004/06/07
20	10	detect\$4 and failures not (ibm "business	EPO; JPO	12:17
		machines").as. and (overlap\$5 group		
		multiple plural\$4 simultaneous\$4) with		
20	10	fail\$4'	исраш.	2004/06/07
29	18	shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business	USPAT; EPO; JPO	12:17
		machines").as. and (overlap\$5 group	EFO, OFO	12.17
		multiple plural\$4 simultaneous\$4) with		
		fail\$4		
30	8	(shared with nothing and recover\$4 and	USPAT;	2004/06/07
		detect\$4 and failures not (ibm "business	EPO; JPO	12:14
		machines").as. and (overlap\$5 group multiple plural\$4 simultaneous\$4) with		
		recover\$4) and (shared with nothing and		
		recover\$4 and detect\$4 and failures not		
		(ibm "business machines").as. and		
		<pre>(overlap\$5 group multiple plural\$4 simultaneous\$4) with detect\$4) and</pre>		
		(shared with nothing and recover\$4 and		
		detect\$4 and failures not (ibm "business		
		machines").as. and (overlap\$5 group		
		multiple plural\$4 simultaneous\$4) with		
20	4.1	fail\$4')		2004/06/07
32	11	shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business	USPAT; EPO; JPO	2004/06/07
		machines").as. and (overlap\$5 multiple	EFO, 0FO	12.17
		plural\$4 simultaneous\$4) with fail\$4'		
33	11	shared with nothing and recover\$4 and	USPAT;	2004/06/07
		detect\$4 and failures not (ibm "business	EPO; JPO	12:17
		<pre>machines").as. and (overlap\$5 multiple plural\$4 simultaneous\$4) with fail\$4</pre>		
34	4	l -	USPAT;	2004/06/07
3.	•	detect\$4 and failures not (ibm "business	EPO; JPO	12:21
		machines").as. and (overlap\$5 multiple		
		plural\$4 simultaneous\$4) with detect\$4)		
		and (shared with nothing and recover\$4		
		and detect\$4 and failures not (ibm "business machines").as. and (overlap\$5		
		multiple plural\$4 simultaneous\$4) with		
		fail\$4') and (shared with nothing and		
		recover\$4 and detect\$4 and failures not		
		(ibm "business machines").as. and		
		(overlap\$5 multiple plural\$4		
		simultaneous\$4) with fail\$4)	L .	<u> </u>

36	0	(shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business machines").as. and (overlap\$5 multiple plural\$4 simultaneous\$4) with detect\$4) and (shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business machines").as. and (overlap\$5 multiple plural\$4 simultaneous\$4) with fail\$4') and (shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business machines").as. and	USPAT; EPO; JPO	2004/06/07
35	2	(overlap\$5 multiple plural\$4 simultaneous\$4) with recover\$4) shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business machines").as. and (overlap\$5 multiple	USPAT; EPO; JPO	2004/06/07 12:21
37	0	plural\$4 simultaneous\$4) with recover\$4 (shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business machines").as. and (overlap\$5 multiple plural\$4 simultaneous\$4) with detect\$4) and (shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business machines").as. and (overlap\$5 multiple plural\$4 simultaneous\$4) with recover\$4)	USPAT; EPO; JPO	2004/06/07
31	4	shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business machines").as. and (overlap\$5 multiple plural\$4 simultaneous\$4) with detect\$4	USPAT; EPO; JPO	2004/06/07 12:25
38	2	shared with nothing and recover\$4 and detect\$4 and failures not (ibm "business machines").as. and (overlap\$5 multiple plural\$4 simultaneous\$4) with recover\$4	USPAT; EPO; JPO	2004/06/07 12:26
39	0	shared with nothing and recover\$4 with (overlap\$5 simultaneous\$4) with failure	USPAT; EPO; JPO	2004/06/07 12:31
40	0	shared with nothing and recover\$4 with (overlap\$5 simultaneous\$4) with detect\$4	USPAT; EPO; JPO	2004/06/07
41	8	shared with nothing and recover\$4 with (overlap\$5 multiple group simultaneous\$4 simultaneous\$4) with detect\$4	USPAT; EPO; JPO	2004/06/07 12:38
42	0	shared with nothing and recover\$4 with (overlap\$5 multiple plural\$4 simultaneous\$4 simultaneous\$4) with detect\$4	USPAT; EPO; JPO	2004/06/07 12:34
43	0	l	USPAT; EPO; JPO	2004/06/07 12:34
44	0	shared with nothing and recover\$4 with (overlap\$5 multiple plural\$4 together simultaneous\$4 simultaneous\$4) with detect\$4	USPAT; EPO; JPO	2004/06/07 12:34
45	8	shared with nothing and recover\$4 with (overlap\$5 multiple group "more than one" simultaneous\$4 simultaneous\$4) with detect\$4	USPAT; EPO; JPO	2004/06/07 12:38
46	20	shared with nothing and recover\$4 with (overlap\$5 multiple group "more than one" simultaneous\$4)	USPAT; EPO; JPO	2004/06/07 12:56
47	20	shared with nothing and recover\$4 with (overlap\$5 multiple group "more than one" simultaneous\$4 overlap\$5)	USPAT; EPO; JPO	2004/06/07 12:57
48	13	shared with nothing and recover\$4 with (overlap\$5 multiple group "more than one" simultaneous\$4 overlap\$5) not (ibm "business machines").as.	USPAT; EPO; JPO	2004/06/07 13:04
49	4	shared with nothing and recover\$4 with (overlap\$5 multiple "more than one" simultaneous\$4 overlap\$5) not (ibm "business machines").as.	USPAT; EPO; JPO	2004/06/07 12:59

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				1 1
50	4	shared with nothing and recover\$4 with	USPAT;	2004/06/07
		(overlap\$5 multiple "more than one"	EPO; JPO	13:04
		simultaneous\$4 overlap\$5) not (ibm		
		"business machines").as.		
-	18	4665520.pn. 5140689.pn. 5319773.pn.	USPAT;	2002/11/18
		5319774.pn. 5434994.pn. 5748958.pn.	EPO; JPO	10:36
		5805786.pn. 5884327.pn. 5920863.pn.		
		5926619.pn.		/
-	16		USPAT;	2002/04/22
		5319774.pn. 5434994.pn. 5748958.pn.	EPO; JPO	14:32
		5805786.pn. 5884327.pn. 5920863.pn.		
		5926619.pn. and shared adj nothing		/- /
-	0	(4665520.pn. 5140689.pn. 5319773.pn.	USPAT;	2002/04/22
		5319774.pn. 5434994.pn. 5748958.pn.	EPO; JPO	14:10
		5805786.pn. 5884327.pn. 5920863.pn.		
		5926619.pn.) and shared adj nothing		0000 (04 (00
-	16		USPAT;	2002/04/22
		5319774.pn. 5434994.pn. 5748958.pn.	EPO; JPO	14:43
		5805786.pn. 5884327.pn. 5920863.pn.		
		5926619.pn. and roll\$ adj back and		
	_	re\$post\$		2002/04/22
-	0	(4665520.pn. 5140689.pn. 5319773.pn.	USPAT;	2002/04/22
		5319774.pn. 5434994.pn. 5748958.pn.	EPO; JPO	14:37
		5805786.pn. 5884327.pn. 5920863.pn.		
		5926619.pn.) and roll\$ adj back and		
		re\$post\$		0000 (04 (00
-	2	recover\$ near fail\$ and shared near	USPAT;	2002/04/22
		distribu\$ and detect\$ and recover\$ and	EPO; JPO	14:59
		roll\$back	***	2002/04/22
-	0	recover\$ near fail\$ and shared near	USPAT;	2002/04/22
		distribu\$ and detect\$ and recover\$ and	EPO; JPO	14:55
		roll\$back and re\$posting	Manam.	2002/04/22
-	0	(without adj no) near roll\$back and	USPAT;	2002/04/22
	_	re\$post	EPO; JPO	14:57
_	0	(without no) near roll\$back and re\$post	USPAT;	2002/04/22
	_		EPO; JPO	
-	1	shared adj nothing adj distributed	USPAT; EPO; JPO	2002/04/22
	1	abané adi nothing adi distribé	USPAT;	2002/04/22
. -	_	shar\$ adj nothing adj distrib\$	EPO; JPO	16:00
_	8	 shar\$ near nothing near distrib\$	USPAT;	2002/04/22
_	•	Sharp hear nothing hear distribt	EPO; JPO	15:45
_	133	 shar\$ adj nothing	USPAT;	2002/04/22
	133	Shary adj nothing	EPO; JPO	16:00
_	22	shar\$ adj nothing and detect and fail\$	USPAT;	2003/05/07
	22	and recover\$ and distribut\$	EPO; JPO	11:07
_	1	640412.pn.	USPAT;	2002/04/30
	*	0.0.12.bii.	EPO; JPO	14:43
_	0	8640412.pn.	USPAT;	2002/04/30
	l	0010112.pii.	EPO; JPO	14:44
_	0	8640412.pn.	USPAT;	2002/04/30
	l		US-PGPUB;	14:44
			EPO; JPO	
_	1	640412.pn.	USPAT;	2002/04/30
	_		US-PGPUB;	14:44
			EPO; JPO	
_	129	shared adj nothing	USPAT;	2002/11/18
			EPO; JPO	11:42
_	110	shared adj nothing and distribut\$4	USPAT;	2002/11/18
			EPO; JPO	10:37
_	29	shared adj nothing and distribut\$4 and	USPAT;	2002/11/18
]	recover\$4 same fail\$4	EPO; JPO	10:39
_	О	shared adj nothing and distribut\$4 and	USPAT;	2002/11/18
		automatic\$4 same recover\$4 same fail\$4	EPO; JPO	10:38
_	23		USPAT;	2002/11/18
		recover\$4 same fail\$4 and automatic\$5	EPO; JPO	10:39
_	8	707/\$.ccls. and shared adj nothing and	USPAT;	2003/12/30
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	14:16
		automatic\$5	,	
				<u> </u>

_	3	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	14:42
		automatic\$5 and detect\$4 same failure		
_	3	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/20
Į.		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	13:04
		automatic\$5 and detect\$4 same fail\$4		
-	2	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	12:13
		automatic\$5 and detect\$4 same fail\$4 and		
		transaction same execut\$4		
-	0	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	10:57
		automatic\$5 and detect\$4 same fail\$4 and		
		transaction same execut\$4 and roll\$4 same		
		back		2002/11/10
-	0	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	10:58
		automatic\$5 and detect\$4 same fail\$4 and		
		transaction same execut\$4 and roll\$4 707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
-	0	distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	10:58
		automatic\$5 and detect\$4 same fail\$4 and	EFO, UFO	10.50
		transaction same execut\$4 and roll\$6		
1_	2	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
-		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	11:15
		automatic\$5 and detect\$4 same fail\$4 and	110, 010	11.13
1		transact\$4 same execut\$4		
_	1	shared adj nothing and distribut\$4 and	USPAT;	2002/11/18
	1	recover\$4 same fail\$4 and automatic\$5 and	EPO; JPO	11:25
		detect\$4 same fail\$4 and transact\$4 same	210, 010	
		execut\$4 and automatic\$4 same recover\$4		
_	85	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$ same completion	EPO; JPO	11:26
_	0	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$ same completion	EPO; JPO	11:41
		and share\$4 adj nothing and distributed		
_	0	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$ same completion	EPO; JPO	11:27
		and shared adj nothing and distributed		
-	0	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$ same completion	EPO; JPO	11:27
		and shared adj nothing		
 -	0		USPAT;	2002/11/18
		recover\$4 and automatic same execut\$4	EPO; JPO	11:37
-	2		USPAT;	2002/11/18
1		recover\$4	EPO; JPO	11:37
-	0		USPAT;	2002/11/18
		automatic\$4 same execut\$ same completion	EPO; JPO	11:41
		and share\$4 adj nothing	HCD2m.	2002/11/10
] -	65	shared adj nothing and automatic\$4	USPAT;	2002/11/18
	_		EPO; JPO	11:42
_	0	shared adj nothing and automatic\$4 near4	USPAT;	2002/11/18
		recover\$4	EPO; JPO USPAT;	11:42 2002/11/18
1 -	0	shared adj nothing and automatic\$4 near4 execut\$4 and automatic\$4 same recover\$4	EPO; JPO	11:53
		1	USPAT;	2002/11/18
1 -	9	execut\$4	EPO; JPO	13:02
1_	14328	automatic\$4 same recover\$4	USPAT;	2002/11/18
-	14328	adromaticht pame recoverdi	EPO; JPO	12:13
_	1578	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
	13,8	automatic\$4 same execut\$4	EPO; JPO	12:15
1 -	۰ ا	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
1		automatic\$4 same execut\$4 and shared adj	EPO; JPO	12:16
		nothing	,	
-	347	l , ,	USPAT;	2002/11/18
		automatic\$4 same execut\$4 and transaction	EPO; JPO	12:16
-	l 0	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
	l	automatic\$4 same execut\$4 and transaction	EPO; JPO	12:17
		and re\$post\$4		
_	о	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$4 and re\$post\$4	EPO; JPO	12:17
				

transaction and failure near recovery and detect near failure automatic34 same recovers'd and transaction and failure near recovery 7	-	7		1 '	2002/11/18
detect near failure				EPO; JPO	12:17
38 automatic34 same recovers4 and automatic34 neare execut34 and transaction and failure near recovery 12:20			transaction and failure near recovery and		
automatic 4 same executs 4 and transaction and failure near recovery					
transaction and failure near recovery	i –	38		1	
B				EPO; JPO	12:20
recovery4 and automatics4 same executs4 EPO; JPO 12:37					
and transaction and failure near recovery transaction near recovery nad automatic\$4 - 9537 transaction near recovery and automatic\$4 - 182 transaction near recovery and automatic\$4 - 182 transaction near recovery and automatic\$4 - 183 transaction near recovery and automatic\$4 - 184 transaction near recovery and automatic\$4 - 185 transaction near recovery and automatic\$4 - 185 transaction near recovery and automatic\$4 - 186 transaction near recovery and automatic\$4 - 1893 transaction near recovery and automatic\$4 - 1893 transaction same recovery and automatic\$4 - 1894 transaction same recovery and automatic\$4 - 1895 transaction same recovery and automatic\$4 - 1895 transaction same recovery and automatic\$4 - 1895 transaction same recovery and automatic\$4 - 1896 transaction same recovery and automatic\$4 - 1897 transaction same recovery and automatic\$4 - 1896 transaction same recover\$4 - 1897 transaction same recover\$4 - 1898 transaction same recover\$5 - 1898 transaction same recover\$6 - 1898 transaction same recover\$7 - 1898 transaction same recover\$7 - 1899 transaction same recover\$8 - 1899 transaction same recover\$8 - 1899 transaction same recover\$9 - 1899 transaction same recover\$1 - 1898 transaction same recover\$1 - 1898 transaction same recover\$1 - 1898 tra	_	8		USPAT;	2002/11/18
182				EPO; JPO	12:37
182 transaction near recovery USPAT; 2002/11/18 PFO; JPO			and transaction and failure near		
Post			recovery		
182	-	182	transaction near recovery		2002/11/18
near4 recover\$4 122 1230 12:30				EPO; JPO	1
182	-	9537	transaction near recovery nad automatic\$4	USPAT;	2002/11/18
13 near4 recovery4 near4 recovery5 near4 recovery4 near4 recovery5 near4 near4 recovery4 near4 recovery5 near4 near4 recovery5 near4 near4 recovery5 near4 n			l ·	EPO; JPO	1 '
13	-	182	transaction near recovery andautomatic\$4	USPAT;	
1 transaction near recovery and automatics4 rear4 recovers4 rear4 recovers5 rear4 recovers4 rear4 recovers5 rear4 recovers5 rear4 recovers6 rear4 recovers7 rear4 recovers7 rear4 recovers6 rear4 recovers6 rear4 recovers7 rear4 recovers7 recovers7 recovers8 rear4 recovers8 rear4 recovers9 rear4 recovers9 reco			· · · · · · · · · · · · · · · · · · ·	EPO; JPO	
1 transaction near recovery and automatics Left Le	-	13		•	
near4 recover94 and automatic near4 EPO; JFO 12:31					
execut\$4	-	1		,	1 1
1893 transaction near recovery and automatics USPAT; EPO; JPO 12:31		i		EPO; JPO	12:31
near4 recoverş4 and automaticş4 near4 EFO; JPO 12:31					
1893 transaction same recovery USPAT; 2002/11/18 EPO; JPO I2:38 EPO; JPO I2:39 EPO; JPO I2:30 EPO	-	2			1 ' '
1893			near4 recover\$4 and automatic\$4 near4	EPO; JPO	12:31
168			· · · · · · · · · · · · · · · · · · ·		
168	-	1893	transaction same recovery	1	
		ĺ		1 *	I
10	-	168	transaction same recovery and automatic\$4	USPAT;	2002/11/18
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near4 recover\$4 and automatic\$4 near4 EFO; JPO 12:39		1	execut\$4		1
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- 0 shared adj nothing and automatic\$4 near4 execut\$4 and auto\$ near4 recover\$3	-	616995	shared adj nothing and auto\$9near4	USPAT;	
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EPO; JPO 14:33 USPAT; 2002/11/18 EPO; JPO 13:10 USPAT; 2002/11/18 EPO; JPO 13:11 USPAT; 2002/11/18 EPO; JPO 13:12 USPAT; 2002/11/18 EPO; JPO 13:12 USPAT; 2002/11/18 EPO; JPO 13:12 USPAT; 2002/11/18 EPO; JPO 13:52 USPAT; 2002/11/18 EPO; JPO 13:40 USPAT; 2002/11/18			execut\$4	EPO; JPO	13:09
EPO; JPO 14:33 USPAT; 2002/11/18 EPO; JPO 13:10 USPAT; 2002/11/18 EPO; JPO 13:11 USPAT; 2002/11/18 EPO; JPO 13:12 USPAT; 2002/11/18 EPO; JPO 13:12 USPAT; 2002/11/18 EPO; JPO 13:12 USPAT; 2002/11/18 EPO; JPO 13:52 USPAT; 2002/11/18 EPO; JPO 13:40 USPAT; 2002/11/18	-	84	shared adj nothing and transaction		2002/11/18
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- 110 automatic\$4 near recover\$4 and USPAT; 2002/11/18					1
	-	110	automatic\$4 near recover\$4 and		
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	60	automatic\$4 near recover\$4 and	USPAT;	2002/11/18
		distributed and transaction and failure	EPO; JPO	13:53
		near4 recovery		<u> </u>
_	l 0	automatic\$4 near recover\$4 and	USPAT;	2002/11/18
ĺ		distributed and transaction and failure	EPO; JPO	13:54
1		near4 recovery and shared near nothing		
-	4	shared adj nothing.ti.	USPAT;	2002/11/18
		_	EPO; JPO	14:07
-	2	shared adj nothing.ti. and recovery	USPAT;	2002/11/18
			EPO; JPO	14:08
-	0	shared adj nothing.ti. and recover544	USPAT;	2002/11/18
1		near4 failure	EPO; JPO	14:08
-	2	shared adj nothing.ti. and recover\$4	USPAT;	2002/11/18
		near4 failure	EPO; JPO	14:08
-	0	7recovery near4 failure.ti.	USPAT;	2002/11/18
		• •	EPO; JPO	14:24
-	134	recovery near4 failure.ti.	USPAT;	2002/11/18
			EPO; JPO	14:24
-	1	recovery near4 failure.ti. and shared adj	USPAT;	2002/11/18
		nothing	EPO; JPO	14:24
-	12	shared adj nothing and transaction and	USPAT;	2002/11/18
		detect\$4 near4 failure	EPO; JPO	14:27
-	5	shared adj nothing and transaction and	USPAT;	2002/11/18
		detect\$4 near4 failure and recover same	EPO; JPO	14:28
		failure		
-	2	shared adj nothing and transaction and	USPAT;	2002/11/20
		detect\$4 near4 failure and recover same	EPO; JPO	11:25
		failure and roll\$back		
-	129	shared adj nothing	USPAT;	2002/11/18
			EPO; JPO	14:33
-	21	shared adj nothing and failure same	USPAT;	2002/11/18
		recovery	EPO; JPO	14:33
-	0	shared adj nothing and failure same	USPAT;	2002/11/18
		recovery and failure same detect and	EPO; JPO	14:34
	_	distributed same transaction		
-	2	shared adj nothing and failure same	USPAT;	2002/11/18
		recovery and failure same detect and	EPO; JPO	14:34
	_	distributed adj system		0000/11/10
-	7	shared adj nothing and failure same	USPAT;	2002/11/18
	_	recovery and failure same detect	EPO; JPO	14:37
-	7	shared adj nothing and failure same recovery and failure same detect and	USPAT;	2002/11/18
		[· · - <u>2</u>	EPO; JPO	14:37
	1 12	recover\$4 near4 failure	HCDNM.	2002/11/10
-	13	shared adj nothing and distribut\$4 and recover\$4 same fail\$4 and automatic\$5 and	USPAT;	2002/11/18 14:43
		l	EPO; JPO	14:43
1_	8	detect\$4 same failure	USPAT;	2002/11/18
-	*	shared adj nothing and distribut\$4 and recover\$4 same fail\$4 and automatic\$5 and	EPO; JPO	14:50
		detect\$4 same failure and transaction	EFO, UPO	14.30
_	1	shared adj nothing and distribut\$4 and	USPAT;	2002/11/18
	1	recover\$4 same fail\$4 and automatic\$5 and	EPO; JPO	15:15
	1	detect\$4 same failure and transaction and	LEO, UPO	13.13
		roll\$back		
_	7	shared same nothing same distributed same	USPAT;	2002/11/18
	·	transaction same system	EPO; JPO	15:16
_	5	shared same nothing same distributed same	USPAT;	2002/11/18
	1	transaction same system and recover\$4	EPO; JPO	15:16
_	4	shared same nothing same distributed same	USPAT;	2002/11/18
	1	transaction same system and recover\$4	EPO; JPO	15:17
		same failure	, 0.0	• • •
_	3	shared same nothing same distributed same	USPAT;	2002/11/18
1		transaction same system and recover\$4	EPO; JPO	15:17
] .	same failure and detect\$4	,	
_	3	shared same nothing same distributed same	USPAT;	2002/11/18
		transaction same system and recover\$4	EPO; JPO	15:17
		same failure and detect\$4 same failure	, -••	
_	1431	detect\$4 near fail\$4.ti.	USPAT;	2002/11/20
		, = - ,	EPO; JPO	10:42
_	2	707/\$.ccls. and detect\$4 near fail\$4.ti.	USPAT;	2002/11/20
		,	EPO; JPO	10:40
·		<u> </u>	<u> </u>	

-	0	recover\$4 same fali\$4.ti.	USPAT;	2002/11/20
ľ			EPO; JPO	10:42
-	180	recover\$4 same fail\$4.ti.	USPAT;	2002/11/20
			EPO; JPO USPAT;	10:43
-	1	recover\$4 same fail\$4.ti. and shared adj	EPO; JPO	10:44
	3	recover\$4 same fail\$4.ab. and shared adj	USPAT;	2002/11/20
-	3	nothing	EPO; JPO	11:46
	2	shared adj nothing and transaction and	USPAT;	2002/11/20
		detect\$4 near4 failure and recover same	EPO; JPO	11:26
		failure and roll\$back and event same		
		recover		
1_	0	recover\$4 same fail\$4.ab. and shared adj	USPAT;	2002/11/20
	-	nothing and means adj for same detect\$4	EPO; JPO	11:48
		and means adj for same recover\$4		
-	0	recover\$4 same fail\$4.ab. and shared adj	USPAT;	2002/11/20
		nothing and means same detect\$4 and means	EPO; JPO	11:48
		same recover\$4		
_	3	5926619.pn. 5748958.pn. 5805786.pn.	USPAT;	2002/11/20
			EPO; JPO	13:04
-	0	(5926619.pn. 5748958.pn. 5805786.pn.) and	USPAT;	2002/11/20
		shared adj nothing	EPO; JPO	13:05
-	0	(5926619.pn. 5748958.pn. 5805786.pn.) and	USPAT;	2002/11/20
1	_	coordinat\$4 and surviv\$4	EPO; JPO	13:05
-	0	(5926619.pn. 5748958.pn. 5805786.pn.)	USPAT;	2002/11/20
	_	and surviv\$4 and coordinat\$	EPO; JPO	13:05
-	2	(5926619.pn. 5748958.pn. 5805786.pn.)	USPAT; EPO; JPO	2002/11/20
	164	and surviv\$4	USPAT;	2003/05/07
-	164	synchronous with transaction with system	EPO; JPO;	11:05
			IBM TDB	11.00
_	6	synchronous with transaction with system	USPAT;	2003/05/07
		and failure with recovery	EPO; JPO;	11:08
		and fulfule with football	IBM TDB	
-	0	synchronous with transaction with system	USPAT;	2003/05/07
	_	and failure with recovery and shared adj	EPO; JPO;	11:06
		nothig	IBM TDB	
_	0	synchronous with transaction with system	USPAT;	2003/05/07
		and failure with recovery and shar\$4 adj	EPO; JPO;	11:06
		nothig	IBM_TDB	
-	0	synchronous with transaction with system	USPAT;	2003/05/07
		and failure with recovery and shar\$4 with	EPO; JPO;	11:07
		nothig	IBM_TDB	2002/05/07
] -	0	synchronous with transaction with system	USPAT;	2003/05/07
		and failure with recovery and shar\$4 adj	EPO; JPO;	11:09
	_	nothing	IBM_TDB USPAT;	2003/05/07
-	2	synchronous and transaction with system and failure with recovery and shar\$4 adj	EPO; JPO;	11:19
		nothing	IBM TDB	11.19
_	2	nothing synchronous and transaction with system	USPAT;	2003/05/07
1		and failure with recovery and shar\$4 adj	EPO; JPO;	11:15
		nothing and distributed	IBM TDB	
_	0	synchronous adj transaction adj system	USPAT;	2003/05/07
	1	and failure with recovery and shar\$4 adj	EPO; JPO;	11:19
		nothing	IBM TDB	. = -
_	2	synchronous adj transaction adj system	USPAT;	2003/05/07
			EPO; JPO;	11:21
			IBM_TDB	
-	12	synchronous adj transaction and	USPĀT;	2003/05/07
		transaction adj system	EPO; JPO;	11:21
			IBM_TDB	
-	10	synchronous adj transaction and	USPAT;	2003/05/07
		transaction adj system and recover\$4	EPO; JPO;	12:44
	_		IBM_TDB	0000/05/05
-	2	3	USPAT;	2003/05/07
		transaction adj system and recover\$4 with	EPO; JPO;	11:21
	_	failure	IBM_TDB	2003/05/07
-	0	synchronous adj transaction and transaction adj system and recover\$4 and	USPAT; EPO; JPO;	11:24
	i	share\$4 adj nothing and distributed	IBM TDB	11.67
	l	sugress and monthlid and discribated	מתו זיותי	l

-	0	synchronous adj transaction and	USPAT;	2003/05/07
		transaction adj system and recover\$4 and	EPO; JPO;	11:25
		share\$4 adj nothing	IBM TDB	
<u> </u>	2	synchronous adj transaction and	USPAT;	2003/05/07
	_	transaction adj system and recover\$4 and	EPO; JPO;	11:25
		distributed	IBM TDB	
_	0	synchronous adj transaction and	USPAT;	2003/05/07
-	0	transaction adj system and recover\$4 and	EPO; JPO;	12:44
			IBM TDB	12.33
		share\$4 adj nothing	USPAT;	2003/05/07
-	8	synchronous and transaction and system		1
		and recover\$4 and share\$4 adj nothing	EPO; JPO;	12:45
			IBM_TDB	
-	4	synchronous and transaction and system	USPAT;	2003/05/07
		and recover\$4 and share\$4 adj nothing and	EPO; JPO;	12:45
		distributed and failure	IBM_TDB	
-	4		USPAT;	2003/05/07
	}	and recover\$4 and share\$4 adj nothing and	EPO; JPO;	12:46
		distributed and failure and recover\$4	IBM TDB	
i -	5	synchronous and transaction and system	USPĀT;	2003/05/07
1		and recover\$4 and share\$4 adj nothing and	EPO; JPO;	13:17
		distributed	IBM TDB	
_		transaciton and synchronous adj	USPAT;	2003/05/07
	ı	replicat\$4	EPO; JPO;	13:17
		TehtTogchi	IBM TDB	
	1	3	_	2002/05/07
-	13	transaction and synchronous adj	USPAT;	2003/05/07
		replicat\$4	EPO; JPO;	13:17
			IBM_TDB	
-	12	transaction and synchronous adj	USPAT;	2003/05/07
1		replicat\$4 not "international	EPO; JPO;	13:18
		business".as.	IBM_TDB	
-	4	transaction and synchronous adj	USPĀT;	2003/05/07
	1	replicat\$4 not "international	EPO; JPO;	13:18
		business".as. and recover\$4'	IBM TDB	
l _		transaction and synchronous adj	USPAT;	2003/05/07
		replicat\$4 not "international	EPO; JPO;	13:18
		business".as. and recover\$4	IBM TDB	
	_		USPAT;	2003/05/07
-	2			13:18
		replicat\$4 not "international	EPO; JPO;	13:10
	_	business".as. and recover\$4 and failure	IBM_TDB	2222/25/27
-	3	transaction and synchronous adj	USPAT;	2003/05/07
		replicat\$4 not "international	EPO; JPO;	13:19
		business".as. and recover\$4 and fail\$4	IBM_TDB	
-	0		USPAT;	2003/05/07
		replicat\$4 not "international	EPO; JPO;	13:19
		business".as. and recover\$4 and fail\$4	IBM_TDB	
		and distributed and shar\$4 adj nothing	-	
_	3	I	USPAT;	2003/05/07
	1	replicat\$4 not "international	EPO; JPO;	13:25
	1	business".as. and recover\$4 and fail\$4	IBM TDB	
		and distributed		
I _	5		USPAT;	2003/05/07
1 -]	"international business".as. and	EPO; JPO;	13:26
			IBM TDB	13.20
		recover\$4 and fail\$4 and distributed	_	2002/05/07
-	153	shared adj nothing	USPAT;	2003/05/07
			EPO; JPO;	13:26
			IBM_TDB]
-	1	shared adj nothing and synchronous with	USPAT;	2003/05/07
		(replication recover\$4)	EPO; JPO;	13:29
		· ·	IBM TDB	
_	4	shared adj nothing and synchronous and	USPAT;	2003/05/07
	1	distributed and recover\$4 and fail\$4	EPO; JPO;	13:32
		distinged and recovery and rarry	IBM TDB	
1_	7	shared adj nothing and synchronous and	USPAT;	2003/05/07
-	′		EPO; JPO;	13:34
		recover\$4 and fail\$4		13.37
	(45305		IBM_TDB	2002/05/07
-	645797	1 - 1	USPAT;	2003/05/07
		replicat\$4 updat\$4)	EPO; JPO;	13:35
			IBM_TDB	
-	938	- 2	USPAT;	2003/05/07
		(recover\$4 replicat\$4 updat\$4)	EPO; JPO;	13:35
			IBM_TDB	
				•

-	2	synchronous and transaction with	USPAT;	2003/05/07
İ		(recover\$4 replicat\$4 updat\$4) and shared	EPO; JPO;	13:36
ŀ		adj nothing	IBM TDB	
_	0	707/\$.ccls. and shared adj nothing and	USPAT;	2003/12/30
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	14:16
		automatic\$5 with recover\$4	· ·	
1_	l o	shared adj nothing and distribut\$4 and	USPAT;	2003/12/30
		recover\$4 same fail\$4 and automatic\$5	EPO; JPO	14:36
		with recover\$4	EFO, CFO	11.50
			USPAT;	2002/12/20
_	2	707/\$.ccls. and shared adj nothing and	1	2003/12/30
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	14:17
		automatic\$5 same recover\$4		/
-	2	707/\$.ccls. and shared adj nothing and	USPAT;	2003/12/30
1		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	14:17
		automatic\$5 same recover\$4 and roll\$back		
-	0	707/\$.ccls. and shared adj nothing and	USPAT;	2003/12/30
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	14:17
		automatic\$5 same recover\$4 and roll\$back		
		with "without"		
1_	0	shared adj nothing and distribut\$4 and	USPAT;	2003/12/30
		recover\$4 same fail\$4 and automatic\$5	EPO; JPO	14:18
		same recover\$4 and roll\$back with	EFO, OFO	14.10
1	_	"without"		2002/12/22
-	3	shared adj nothing and distribut\$4 and	USPAT;	2003/12/30
		recover\$4 same fail\$4 and automatic\$5	EPO; JPO	14:21
		same recover\$4 and roll\$back		[
-	4	shared adj nothing and recover\$4 same	USPAT;	2003/12/30
1	i ·	fail\$4 and automatic\$5 same recover\$4 and	EPO; JPO	14:22
		roll\$back		
_	0	shared adj nothing and recover\$4 same	USPAT;	2003/12/30
		fail\$4 and automatic\$5 same recover\$4 and	EPO; JPO	14:23
		roll\$back and re\$post\$4	,	
_	4	shared adj nothing and recover\$4 with	USPAT;	2003/12/30
-	3	fail\$4 and automatic\$5 same recover\$4 and	EPO; JPO	14:25
			EFO, UFO	14.25
		roll\$back	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2002/12/20
-	0	roll\$back and re\$post\$4	USPAT;	2003/12/30
}			EPO; JPO	14:26
-	63	roll\$back and (re\$post\$4 re\$send\$4)	USPAT;	2003/12/30
			EPO; JPO	14:26
-	8	roll\$back with transaction and (re\$post\$4	USPAT;	2003/12/30
		re\$send\$4) with transaction	EPO; JPO	14:27
-	5	roll\$back with transaction and (re\$post\$4	USPAT;	2003/12/30
		re\$send\$4) with transaction and recover\$4	EPO; JPO	14:27
_	4	roll\$back with transaction and (re\$post\$4	USPAT;	2003/12/30
1		re\$send\$4) with transaction and recover\$4	EPO; JPO	14:27
		with fail\$4	,	
_	2	roll\$back with transaction and (re\$post\$4	USPAT;	2003/12/30
-	2	re\$send\$4) with transaction and recover\$4	EPO; JPO	14:28
			EFO, UPO	17.20
	.	with fail\$4 and detect\$4	HCDAM.	2003/12/20
-	4	shared adj nothing and distribut\$4 and	USPAT;	2003/12/30
		recover\$4 same fail\$4 and automatic\$5	EPO; JPO	14:36
		same recover\$4		
-	4	shared with nothing and distribut\$4 and	USPAT;	2003/12/30
	ŀ	recover\$4 same fail\$4 and automatic\$5	EPO; JPO	14:36
		same recover\$4		
-	5	shared with nothing and recover\$4 same	USPAT;	2003/12/30
		fail\$4 and automatic\$5 same recover\$4	EPO; JPO	14:36
_	1	shared with nothing and recover\$4 same	USPAT;	2003/12/30
	•	fail\$4 and automatic\$5 same recover\$4 not	EPO; JPO	14:40
		roll\$back\$4 not re\$post\$4	,	
1_	0	shared with nothing and recover\$4 same	USPAT;	2003/12/30
1 -	"	fail\$4 and automatic\$5 with recover\$4 not	EPO; JPO	14:39
			EFO, UPO	14:32
1	_ [roll\$back\$4 not re\$post\$4	HCD N. F.	2002/10/22
-	0	shared with nothing and recover\$4 same	USPAT;	2003/12/30
		fail\$4 and automatic\$5 with recover\$4 not	EPO; JPO	14:40
		roll\$back\$4 not re\$post\$4 and transaction		
-	1	shared with nothing and recover\$4 same	USPAT;	2003/12/31
]	fail\$4 and automatic\$5 same recover\$4 not	EPO; JPO	09:13
		roll\$back\$4 not re\$post\$4 and transaction		

_	20		USPAT;	2003/12/31
		<pre>fail\$4 not roll\$back\$4 not re\$post\$4 and transaction</pre>	EPO; JPO	14:27
l_	12	shared with nothing and recover\$4 same	USPAT;	2003/12/30
-	12	fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:44
		transaction with (execut\$4 recover\$4)		
-	0	shared with nothing and recover\$4 same	USPAT;	2003/12/30
		fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:45
		transaction with (execut\$4 recover\$4) and automatic\$4 same recover\$4		
l _	8	shared with nothing and recover\$4 same	USPAT;	2003/12/30
		fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:47
		transaction with (execut\$4 recover\$4) and		
	_	automatic\$4		0000 (10 (20
-	8	shared with nothing and recover\$4 same	USPAT; EPO; JPO	2003/12/30
		<pre>fail\$4 and transaction with (execut\$4 recover\$4) and automatic\$4 not</pre>	EPO; 0PO	14:40
		roll\$back\$4 not re\$post\$4	·	
_	6		USPAT;	2003/12/31
		fail\$4 and transaction with (execut\$4	EPO; JPO	10:12
		recover\$4) and automatic\$4 not roll\$ adj		
	6	back not re\$post\$4 shared with nothing and distribut\$4 and	USPAT;	2003/12/31
-	"	recover\$4 same fail\$4 and transaction	EPO; JPO	10:13
		with (execut\$4 recover\$4) and automatic\$4		
		not roll\$ adj back not re\$post\$4		
-	0	shared with nothing and distribut\$4 and	USPAT; EPO; JPO	2003/12/31 10:13
		recover\$4 same fail\$4 and transaction with (execut\$4 recover\$4) and automatic\$4	EPO; JPO	10:13
		with recover\$4 not roll\$ adj back not		
		re\$post\$4		
-	1	shared with nothing and distribut\$4 and	USPAT;	2003/12/31
		recover\$4 same fail\$4 and transaction	EPO; JPO	10:16
		with (execut\$4 recover\$4) and automatic\$4 with fail\$4 not roll\$ adj back not		
		resposts4		
_	0	shared with nothing and distribut\$4 and	USPAT;	2003/12/31
		recover\$4 same fail\$4 and transaction	EPO; JPO	10:17
		with (recover\$4) and automatic\$4 with		
	2	fail\$4 not roll\$ adj back not re\$post\$4 shared with nothing and distribut\$4 and	USPAT;	2003/12/31
_	2	recover\$4 same fail\$4 and transaction	EPO; JPO	10:22
		with (repair\$4 re\$construct\$4 recover\$4)		
		and automatic\$4 with fail\$4 not roll\$ adj		
	_	back not re\$post\$4	HODAE	2002/12/21
-	0	shared with nothing and distribut\$4 and recover\$4 same fail\$4 and transaction	USPAT; EPO; JPO	2003/12/31 10:22
		with (repair\$4 re\$construct\$4 recover\$4)	110, 010	10.22
		and automatic\$4 with fail\$4 with		
		(detect\$4 identif\$4)not roll\$ adj back		
		not re\$post\$4	******	2002/12/21
-	0	shared with nothing and distribut\$4 and	USPAT; EPO; JPO	2003/12/31 10:23
		recover\$4 same fail\$4 and transaction with (repair\$4 re\$construct\$4 recover\$4)	EFO, 0PO	10.23
		and automatic\$4 with fail\$4 with		
	1	(detect\$4 identif\$4) not roll\$ adj back		
		not re\$post\$4		0000/10/01
_	2	shared with nothing and distribut\$4 and	USPAT;	2003/12/31 10:28
		recover\$4 same fail\$4 and transaction with (repair\$4 re\$construct\$4 recover\$4)	EPO; JPO	10.20
		and automatic\$4 with fail\$4 and (detect\$4		
		identif\$4) with fail\$4 not roll\$ adj back		
		not re\$post\$4		0004/05/07
-	2	· · · · · · · · · · · · · · · · · · ·	USPAT;	2004/06/07
		recover\$4 same fail\$4 and transaction with (repair\$4 re\$construct\$4 recover\$4)	EPO; JPO	11:44
		and automatic\$4 with fail\$4 and (detect\$4)		
		identif\$4) with fail\$4 and fail\$4 and		
		transaction and (repair\$4 re\$construct\$4	1	
		recover\$4) not roll\$ adj back not		
L	<u> </u>	re\$post\$4	J	<u> </u>

-	1	shared with nothing and distribut\$4 and	USPAT;	2003/12/31
		recover\$4 same fail\$4 and transaction	EPO; JPO	10:34
		with (repair\$4 re\$construct\$4 recover\$4)		
		and automatic\$4 with fail\$4 and (detect\$4		
		identif\$4) with fail\$4 and fail\$4 and		
		transaction and (repair\$4 re\$construct\$4		
		recover\$4) and execut\$4 with transaction		
		not roll\$ adj back not re\$post\$4		
			HCDAM.	2003/12/31
-	1	shared with nothing and recover\$4 same	USPAT;	1
		fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:30
		transaction and synchronous with		
		transaction		1
-	0	shared with nothing and recover\$4 same	USPAT;	2003/12/31
		fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:28
		transaction and synchronous with		
		transaction with system		l
-	2		USPAT;	2003/12/31
	_	fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:31
		transaction and synchronous		
l _	0	·	USPAT;	2003/12/31
		fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:30
		transaction and synchronous with	EEO, 0FO	14.50
		1]
	_	transaction	,,,a,,,,,,,,	2002/12/21
-	1	shared with nothing and recover\$4 and	USPAT;	2003/12/31
		fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:32
		transaction and synchronous with		
		transaction		
-	6	shared with nothing and recover\$4 and	USPAT;	2003/12/31
		fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:33
		transaction and synchronous		
_	5	shared adj nothing and recover\$4 and	USPAT;	2003/12/31
		fail\$4 not roll\$back\$4 not re\$post\$4 and	EPO; JPO	14:34
		transaction and synchronous	10, 010	• • • •
	5	shared adj nothing and recover\$4 not	USPAT;	2003/12/31
-) 3			1 ' '
	İ	roll\$back\$4 not re\$post\$4 and transaction	EPO; JPO	14:35
		and synchronous		/ /
-	10		USPAT;	2003/12/31
}		re\$post\$4 and transaction and synchronous	EPO; JPO	14:39
-	0	shared adj nothing not roll\$back\$4 not	USPAT;	2003/12/31
		re\$post\$4 and transaction with	EPO; JPO	14:39
		synchronous	,	
-	2	shared adj nothing not roll\$back\$4 not	USPAT;	2003/12/31
	_	re\$post\$4 and transaction same	EPO; JPO	14:39
		synchronous		
1_	22		USPAT;	2003/12/31
	22	Synthetic total and cransaction with system	EPO; JPO	14:39
	_	amahanana adi buru-shi		
-	0	synchronous adj transaction with system	USPAT;	2003/12/31
		and shared adj nothing	EPO; JPO	14:40
-	13	synchronous adj transaction with system	USPAT;	2003/12/31
		not shar\$4	EPO; JPO	14:40
-	8	synchronous adj transaction with system	USPAT;	2003/12/31
		not shar\$4 and fail\$4 and recover\$4	EPO; JPO	14:41
_	0	synchronous adj transaction with system	USPAT;	2003/12/31
		not shar\$4 and fail\$4 and recover\$4 and	EPO; JPO	14:40
		node		
_	0	synchronous adj transaction with system	USPAT;	2003/12/31
		not shar\$4 and fail\$4 and recover\$4 and	EPO; JPO	14:41
	Í	not sharpy and railing and recovering and	LEO, UEO	±3.37
	-		HCD>m.	2002/12/21
-	1	synchronous adj transaction with system	USPAT;	2003/12/31
		not shar\$4 and fail\$4 and recover\$4 and	EPO; JPO	14:42
	1	distribut\$4		
-	2002	synchronous with distribut\$4	USPAT;	2003/12/31
			EPO; JPO	14:42
-	579	synchronous with distribut\$4 with system	USPAT;	2003/12/31
		_	EPO; JPO	14:42
-	10	synchronous with distribut\$4 with system	USPAT;	2003/12/31
		with transaction	EPO; JPO	14:42
-	l 0	synchronous with distribut\$4 with system	USPAT;	2003/12/31
	ı	with transaction and shared adj nothing	EPO; JPO	14:42
1_	7	synchronous with distribut\$4 with system	USPAT;	2003/12/31
	l '		·	
	<u> </u>	with transaction not shared	EPO; JPO	14:43

	·			10000 /10 /01
-	7	synchronous with distribut\$4 with system	USPAT;	2003/12/31
		with transaction not shared not	EPO; JPO	14:43
		roll\$back\$4		
-	7	synchronous with distribut\$4 with system	USPAT;	2003/12/31
		with transaction not shared not roll\$ adj	EPO; JPO	14:43
		back\$4		
_	7	synchronous with distribut\$4 with system	USPAT;	2003/12/31
		with transaction not shared not roll\$ adj	EPO; JPO	14:45
		back\$4 not re\$post\$4		
_	1	synchronous with distribut\$4 with system	USPAT;	2003/12/31
		with transaction not shared not roll\$ adj	EPO; JPO	14:44
		back\$4 not re\$post\$4 and node		
_	3	synchronous with distribut\$4 with system	USPAT;	2003/12/31
ł		with transaction and recover\$4 not shared	EPO; JPO	14:46
		not roll\$ adj back\$4 not re\$post\$4		
_	449	synchronous and distribut\$4 with system	USPAT;	2003/12/31
		and transaction and recover\$4 not shared	EPO; JPO	14:47
		not roll\$ adj back\$4 not re\$post\$4	,	
_	109	synchronous and distribut\$4 with system	USPAT;	2003/12/31
		and transaction and recover\$4 with fail\$4	EPO; JPO	14:47
}		not shared not roll\$ adj back\$4 not	====	
		re\$post\$4		
l _	4	· · • · · · · · · · · · · · · · · · ·	USPAT;	2003/12/31
	3	distribut\$4 with system and transaction	EPO; JPO	15:07
		and recover\$4 with fail\$4 not shared not	210, 010	120.01
		roll\$ adj back\$4 not re\$post\$4		
l _	0	707/202.ccls. and synchronous and	USPAT;	2003/12/31
		distribut\$4 with system and transaction	EPO; JPO	15:08
		and recover\$4 with fail\$4 not shared not	110, 010	13.00
		roll\$ adj back\$4 not re\$post\$4 and		
		recover\$4 with synchronous		
	1	707/202.ccls. and synchronous and	USPAT;	2003/12/31
=	*	distribut\$4 with system and transaction	EPO; JPO	15:08
		and recover\$4 with fail\$4 not shared not	EFO, 0FO	15.00
		roll\$ adj back\$4 not re\$post\$4 and		
	<u></u>	recover\$4 same synchronous		